

Environmental Protection Agency

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(b) The limits set forth in paragraph (a) of this section are to be multiplied by the following factors to calculate the maximum for any one day and maximum average of daily values for thirty consecutive days.

(1) Size factor.

1,000 bbl of feedstock per stream day	Size factor
Less than 124.9	0.73
125.0 to 149.9	0.76
150.0 to 174.9	0.83
175.0 to 199.9	0.91
200 to 224.9	0.99
225 or greater	1.04

(2) Process factor.

Process configuration	Process factor
Less than 6.49	0.75
6.5 to 7.49	0.82
7.5 to 7.99	0.92
8.0 to 8.49	1.00
8.5 to 8.99	1.10
9.0 to 9.49	1.20
9.5 to 9.99	1.30
10.0 to 10.49	1.42
10.5 to 10.99	1.54
11.0 to 11.49	1.68
11.5 to 11.99	1.83
12.0 to 12.49	1.99
12.5 to 12.99	2.17
13.0 or greater	2.26

(3) See the comprehensive example in subpart D, § 419.42(b)(3).

(c) The provisions of § 419.16(c) apply to discharges of process wastewater pollutants attributable to ballast water by a point source subject to the provision of this subpart.

(d) The quantity and quality of pollutants or pollutant properties controlled by this paragraph, attributable to once-through cooling water, are excluded from the discharge allowed by paragraph (b) of this section. Once-through cooling water may be discharged with a total organic carbon concentration not to exceed 5 mg/l.

(e) *Effluent Limitations for Runoff.* [Reserved]

[47 FR 46446, Oct. 18, 1982, as amended at 50 FR 28523, 28528, July 12, 1985; 50 FR 32414, Aug. 12, 1985]

§ 419.57 Pretreatment standards for new sources (PSNS).

Except as provided in 40 CFR 403.7, any new source subject to this subpart which introduces pollutants into a publicly owned treatment works must

comply with 40 CFR part 403 and achieve the following pretreatment standards for new sources (PSNS).

(a) The following standards apply to the total refinery flow contribution to the POTW:

Pollutant or pollutant property	Pretreatment standards for new sources—maximum for any 1 day
	Milligrams per liter (mg/l)
Oil and grease	100
Ammonia (as N)	¹ 100

¹ Where the discharge to the POTW consists solely of sour waters, the owner or operator has the option of complying with this limit or the daily maximum mass limitation for ammonia set forth in § 419.56 (a) and (b).

(b) The following standard is applied to the cooling tower discharge part of the total refinery flow to the POTW by multiplying: (1) The standards; (2) by the total refinery flow to the POTW; and (3) by the ratio of the cooling tower discharge flow to the total refinery flow.

Pollutant or pollutant property	Pretreatment standards for new sources—maximum for any 1 day
	Milligrams per liter (mg/l)
Total chromium	1

APPENDIX A TO PART 419—PROCESSES INCLUDED IN THE DETERMINATION OF BAT EFFLUENT LIMITATIONS FOR TOTAL CHROMIUM, HEXAVALENT CHROMIUM, AND PHENOLIC COMPOUNDS (4AAP)

Crude Processes

1. Atmospheric Crude Distillation
2. Crude Desalting
3. Vacuum Crude Distillation

Cracking and Coking Processes

4. Visbreaking
5. Thermal Cracking
6. Fluid Catalytic Cracking
7. Moving Bed Catalytic Cracking
10. Hydrocracking
15. Delayed Coking
16. Fluid Coking
54. Hydrotreating

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Asphalt Processes

- 18. Asphalt Production
- 32. 200° F Softening Point Unfluxed Asphalt
- 43. Asphalt Oxidizing
- 89. Asphalt Emulsifying

Lube Processes

- 21. Hydrofining, Hydrofinishing, Lube Hydrofining
- 22. White Oil Manufacture
- 23. Propane Dewaxing, Propane Deasphalting, Propane Fractioning, Propane Deresining
- 24. Duo Sol, Solvent Treating, Solvent Extraction, Duotreating, Solvent Dewaxing, Solvent Deasphalting
- 25. Lube Vac Twr, Oil Fractionation, Batch Still (Naphtha Strip), Bright Stock Treating
- 26. Centrifuge and Chilling
- 27. MEK Dewaxing, Ketone Dewaxing, MEK-Toluene Dewaxing
- 28. Deoiling (wax)
- 29. Naphthenic Lubes Production
- 30. SO₂ Extraction
- 34. Wax Pressing
- 35. Wax Plant (with Neutral Separation)
- 36. Furfural Extraction
- 37. Clay Contacting—Percolation
- 38. Wax Sweating
- 39. Acid Treating
- 40. Phenol Extraction

Reforming and Alkylation Processes

- 8. H₂SO₄ Alkylation
 - 12. Catalytic Reforming
- [50 FR 28528, July 12, 1985; 50 FR 32414, Aug. 12, 1985]

PART 420—IRON AND STEEL MANUFACTURING POINT SOURCE CATEGORY

GENERAL PROVISIONS

Sec.

- 420.01 Applicability.
- 420.02 General definitions.
- 420.03 Alternative effluent limitations representing the degree of effluent reduction attainable by the application of best practicable control technology currently available, best available technology economically achievable, best available demonstrated control technology, and best conventional pollutant control technology (the “water bubble”).
- 420.04 Calculation of pretreatment standards.
- 420.05 Pretreatment standards compliance date.
- 420.06 Removal credits for phenols (4AAP).
- 420.07 Effluent limitations guidelines and standards for pH.

- 420.08 Non-process wastewater and storm water.

Subpart A—Cokemaking Subcategory

- 420.10 Applicability.
- 420.11 Specialized definitions.
- 420.12 Effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT).
- 420.13 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best available technology economically achievable (BAT).
- 420.14 New source performance standards (NSPS).
- 420.15 Pretreatment standards for existing sources (PSES).
- 420.16 Pretreatment standards for new sources (PSNS).
- 420.17 Effluent limitations representing the degree of effluent reduction attainable by the application of the best conventional technology (BCT).
- 420.18 Pretreatment standards compliance dates.

Subpart B—Sintering Subcategory

- 420.20 Applicability; description of the sintering subcategory.
- 420.21 Specialized definitions.
- 420.22 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT).
- 420.23 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best available technology economically achievable (BAT).
- 420.24 New source performance standards (NSPS).
- 420.25 Pretreatment standards for existing sources (PSES).
- 420.26 Pretreatment standards for new sources (PSNS).
- 420.27 [Reserved]
- 420.28 Pretreatment standards compliance dates.
- 420.29 Point of compliance monitoring.

Subpart C—Ironmaking Subcategory

- 420.30 Applicability; description of the ironmaking subcategory.
- 420.31 Specialized definitions.
- 420.32 Effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT).
- 420.33 Effluent limitations representing the degree of effluent reduction attainable